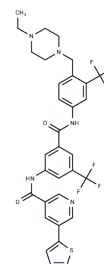


Antimalarial agent 37

Chemical Properties

CAS No. :	2982633-16-7
Formula:	C32H29F6N5O2S
Molecular Weight:	661.66
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Antimalarial agent 37 (compound 33), a selective Type II kinase inhibitor, exhibits antiplasmodial activity and demonstrates cytotoxicity towards HepG2 and MCF 7 cancer cells [1].
Targets(IC50)	Parasite,Ephrin Receptor
In vitro	Antimalarial agent 37 (0-50 nM, 72 h) exhibits activity against the malaria parasite, possessing EC50 values of 31 nM and 35 nM for strains Dd2 and 3D7 respectively [1]. In mouse liver microsomes, this compound shows microsomal stability with a half-life of 41.4 minutes and a clearance rate of 17 μ L/min/mg [1]. Additionally, Antimalarial agent 37 (0-5000 nM, 48 h) demonstrates cytotoxicity in HepG2 and MCF7 cells, with EC50 values of 2850 nM and 3540 nM respectively, and selectivity indices of 92 and 114 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5114 mL	7.5568 mL	15.1135 mL
5 mM	0.3023 mL	1.5114 mL	3.0227 mL
10 mM	0.1511 mL	0.7557 mL	1.5114 mL
50 mM	0.0302 mL	0.1511 mL	0.3023 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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